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CHILTON'S

August 2, 1985

IRON AGE

MANUFACTURING MANAGEMENT

A MANAGER'S GUIDE TO MATERIALS SELECTION

...ICE WHERE ROBOT IS KING

...VERTS IN U.S. INDUSTRY

...G AT ACME CLEVELAND—

AN INTERVIEW WITH B. CHARLES AMES

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AUGUST 2, 1985 VOL. 228, NO. 15

IRON AGE
MANUFACTURING MANAGEMENT

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PRICE & PRODUCTION DATA

(Effective July 8,1985)

Steel production by districts, thousands of tons (000 omitted)

	Last Week	Two Weeks Ago	Month Ago	Year Ago
Northeast Coast	177	180	182	204
Pittsburgh	200	224	218	183
Youngstown	80	81	71	94
Lake Erie	122	122	158	134
Detroit	131	111	160	141
Chicago	442	467	469	450
Cincinnati	85	91	94	108
St. Louis	74	73	83	81
Southern	188	202	228	185
Western	77	90	96	85
U.S. Production	1,576	1,641	1,759	1,665

Source: American Iron & Steel Institute

Lake Superior Ore Prices

51.50% Fe Natural delivered lower Lake ports. Rail transportation, handling and unloading may be charged to the account of the buyer. Coarse ore 80¢ premium.

Pellets (per iron unit natural ..... gross-ton 80.50-86.9*
Mesabi, regular-unscreened ..... gross-ton $32.53
Mesabi, non-bessemer ..... gross-ton $30.03-31.53**

*80.50¢—Pickands Mather as of 1/27/81.

86.9¢—U.S. Steel as of 3/15/82. Cleveland-Cliffs as of 2/26/82, Oglebay Norton as of 3/25/82, and Hanna Mining as of 2/26/82.
**Effective 8/1/83.

STEEL PRODUCTION, COMPOSITE PRICES

(Effective July 8,1985)

U.S. Steel Production	Last Week	Two Weeks Ago	To Date 1985	To Date 1984
Net tons, in thousands	1,576	1,641	46,656	52,453
Capability Utilization Rate	61.8	64.0	67.8	75.4

Composite Prices	This Week	Week Ago	Month Ago	Year Ago
Finished Steel Base* (¢/lb.—eff. 7/1/84)	27.582	27.582	27.582	27.405
Pig Iron** (Net ton= 2000 lbs.)	$213.00	$213.00	$213.00	$213.00
Scrap No. 1 hvy.*** (Gross ton=2240 lbs.)	$ 68.17	$ 67.50	$ 66.17	$ 82.17
No. 2 bundles	$ 49.17	$ 48.17	$ 47.17	$ 50.83

Scrap Comparison (Gross Ton)

No. 1 steel, Pittsburgh	$ 72.50	$ 72.50	$ 70.50	$ 88.50
No. 1 steel, Philadelphia	68.50	68.50	66.50	80.50
No. 1 steel, Chicago	63.50	61.50	61.50	77.50
No. 1 bundles, Detroit	64.50	61.50	59.50	75.50
Low Phos., Youngstown	57.50	57.50	57.50	80.50
No. 1 mach'y cast., Pgh	71.50	71.50	71.50	79.50
No. 1 mach'y cast., Phila	91.50	91.50	91.50	98.50
No. 1 mach'y cast., Chi	99.50	99.50	99.50	115.50

*Finished Steel Composite: Weighted index of steel bars, shapes, plates, wire, rails, black pipe, hot and cold rolled sheets and strips.
**Pig Iron Composite: Based on average prices for basic and foundry pig iron at representative producing points within the U.S.
***Steel Scrap Composite: Average of No. 1 hvy. melting steel scrap and No. 2 bundles delivered to consumers at Pittsburgh, Philadelphia and Chicago.

NONFERROUS PRICES

(Effective July 8,1985) Prices obtained in trade based on representative tonnages per gross ton delivered to consumer unless otherwise stated.

Primary Metal Prices

(cents per lb.)	current price	last price	date of change
Aluminum (LME)	45.27	45.58	7/ 8/85
Copper (C)	65.00-66.00	65.00-67.00	7/ 2/85
Lead	18.50-21.00	19.00-21.00	7/ 2/85
Magnesium Ingot	148.00	143.00	5/25/84
Nickel (LME)	235.67	246.21	7/ 8/85
Titanium Sponge	555.00-585.00	555.00	4/29/82
Zinc	44.00-47.00	46.00-47.00	6/11/85

ALUMINUM: Avg. for last week & previous week. COPPER (C) = cathode. LEAD: common grade. MAGNESIUM: 99.8% pig, delivered. NICKEL: Avg. for last week & previous week. ZINC: high grade.

Antimony, American Laredo, Texas	$2.00
Beryllium-aluminum 5% Be, per lb. contained Be	$230.00
Beryllium-copper, per lb. cont. Be	$144.00
Beryllium 97% powder 200	$178.00
Cadmium, ton lots	$1.25-1.55
Calcium, ton lots, crown	$3.76
Chromium, 99.8%	$3.75
Cobalt, 99%, cathode	$12.50
Gold per troy oz.	$309.25
Indium, dollars per troy oz.	$2.50
Iridium, dollars per troy oz.	$410.00
Magnesium sticks, 10,000 lbs.	$2.02
Mercury, per 76-lb. f.o.b. N.Y.	$315.00-320.00
Molybdenum, lb. tech. moly oxides, 20 lb. MO can	$6.85
Nickel electro (PDCR)	$3.29
Palladium, per troy oz.	$93.00
Platinum, per troy oz.	$255.00
Rhodium, per troy oz.	$675.00
Silver ingots, per troy oz.	$6.01
Vanadium	$6.00
Zirconium sponge	$12.00-17.00

(Per lb. unless otherwise noted)

Straits Tin Price

(U.S. cents per lb. EX-SMELTER, based on daily market in Penang in Malaysian dollars per kilo.)

July 1—551.86
July 2—550.90
July 3—551.27
July 4—Holiday
July 5—553.06

Scrap Prices
Brass Mill Scrap

(Cents per lb; over 20,000 lbs. add 1¢ per lb)

	Solids	Turnings
Copper	60	46
Yellow brass	53¾	46¾
Red brass	56½	45¼
Comm. bronze	57¾	45½
Mang. bronze	45¾	44¾
Free cutting rod ends	44	43

Custom Smelters Scrap

(Cents per lb., carload lots, del. refinery)

No. 1 copper wire	53
No. 2 copper wire	44
Light copper	36

Ingot Makers Scrap

(Cents per lb., carload lots, del. refinery)

No. 1 copper wire	49
No. 2 copper wire	40
Light copper	32
No. 1 composition	45
No. 1 comp. turnings	43
Hvy. yellow brass solids	32
Hvy. yellow brass turnings	29
Radiators	34

Aluminum

New mixed clips	30	— 32
Old sheet	28	— 29
Old cast	28	— 29
Clean dry borings	29	— 30

Dealers' Scrap

(Dealers' buying price f.o.b. New York in cents per pound)

Aluminum

Segregated clippings	25	— 26
Mixed I.C. clips	23	— 24
Old sheets and cast	20	— 22
Borings and turnings	17	— 18
Duraluminum clippings	24	— 25

Copper and Brass

No. 1 copper wire	44	— 45
No. 2 copper wire	36	— 37
Light copper	31	— 32
Radiators	30	— 31
No. 1 composition	38	— 40
No. 1 composition turnings	35	— 37
Cocks and faucets	27	— 29
Clean heavy yellow brass	26	— 28
Brass Pipe	27	— 29
New soft brass clippings	38	— 40

Lead

Heavy soft lead	6	— 8
Whole batteries	1	— 3
Type metal	16	— 17
Electrotype	13	— 15

Nickel

Nickel solids	120	—130
Nickel rod ends	120	—130
Nickel sheets, clips	120	—130
Nickel turnings	35	— 45

Zinc

New zinc clippings	17	— 18
Old diecast zinc	13	— 14

EFFECTIVE JULY 8, 1985

(Effective July 8, 1985) Prices obtained in trade based on representative tonnages per gross ton delivered to consumer unless otherwise stated. Prices are the opinions of *Iron Age* editors and correspondents, based on contacts with dealers, brokers, generators and users in the industry on the effective date listed above.

Ferrous Scrap Prices

Pittsburgh

No. 1 hvy. melting	$ 72.00 to	$ 73.00
No. 2 hvy. melting	62.00 to	63.00
No. 1 dealer bundles	82.00 to	83.00
No. 1 factory bundles (auto)	78.00 to	79.00
No. 2 bundles	50.00 to	51.00
No. 1 busheling	80.00 to	81.00
Machine shop turnings	7.00 to	8.00
Shoveling turnings	40.00 to	41.00
Cast iron borings	38.00 to	39.00
Low phos. punchings plate	84.00 to	85.00
Heavy turnings	62.00 to	63.00
No. 1 RR hvy. melting	83.00 to	84.00
Rails, 2 ft. and under	96.00 to	97.00
Scrap rails, random lgth	81.00 to	82.00
RR specialties	90.00 to	91.00
No. 1 machinery cast	71.00 to	72.00
Cupola cast	64.00 to	65.00
Heavy breakable cast	30.00 to	31.00
Stainless		
18-8 bundles and solids	615.00 to	625.00
18-8 turnings	515.00 to	525.00

Chicago

No. 1 hvy. melting	$ 63.00 to	$ 64.00
No. 2 hvy. melting	59.00 to	60.00
No. 1 dealer bundles	77.00 to	78.00
No. 1 factory bundles (auto)	76.00 to	77.00
No. 2 dealer bundles	51.00 to	52.00
No. 1 busheling	75.00 to	76.00
Shredder scrap	73.00 to	74.00
Machine shop turnings	35.00 to	36.00
Mixed borings and turnings	36.00 to	37.00
Shoveling turnings	38.00 to	39.00
Cast iron borings	39.00 to	40.00
Low phos. forge crop	94.00 to	95.00
Low phos. punchings plate 1/4 in. and heavier	109.00 to	110.00
Low phos. 2 ft. and under	104.00 to	105.00
No. 1 RR hvy. melting	66.00 to	67.00
Scrap rails random lgth	69.00 to	70.00
Reroller rails	95.00 to	96.00
Rails, 2 ft. and under	97.00 to	98.00
RR couplers and knuckles	86.00 to	87.00
RR car axles	104.00 to	105.00
No. 1 machinery cast	99.00 to	100.00
Cupola cast	87.00 to	88.00
Stove plate	87.00 to	88.00
Steel car wheels	84.00 to	85.00
Stainless		
18-8 bundles and solids	555.00 to	565.00
18-8 turnings	465.00 to	475.00
430 bundles and solids	145.00 to	150.00
430 turnings	115.00 to	120.00

Philadelphia

No. 1 hvy. melting	$ 67.00 to	$ 70.00
No. 2 hvy. melting	60.00 to	63.00
No. 1 dealer bundles	79.00 to	82.00
No. 2 dealer bundles	44.00 to	47.00
No. 1 busheling	79.00 to	82.00
Shredder scrap	82.00 to	85.00
Machine shop turnings	25.00 to	28.00
Mixed borings and turnings	25.00 to	28.00
Shoveling turnings	38.00 to	41.00
Low phos. 5 ft. and under	80.00 to	83.00
Low phos. 2 ft. punchings	94.00 to	97.00
Electric furnace bundles	82.00 to	85.00
RR specialties	79.00 to	82.00
Rails, 2 ft. and under	96.00 to	99.00
Cupola cast	75.00 to	78.00
Heavy breakable cast	53.00 to	56.00
No. 1 machinery cast	90.00 to	93.00

Detroit

Brokers buying prices per gross ton on cars:

No. 1 hvy. melting	$ 50.00 to	$ 51.00
No. 2 hvy. melting	49.00 to	50.00
No. 1 dealer bundles	64.00 to	65.00
No. 2 bundles	28.00 to	29.00
No. 1 busheling	63.00 to	64.00
Drop forge flashings	40.00 to	41.00
Machine shop turnings	36.00 to	37.00
Mixed borings and turnings	16.00 to	17.00
Shoveling turnings	36.00 to	37.00
Cast iron borings	23.00 to	24.00
Heavy breakable cast	33.00 to	34.00
Mixed cupola cast	48.00 to	49.00
Automobile cast	72.00 to	73.00
Stainless		
18-8 bundles and solids	525.00 to	535.00
18-8 turnings	415.00 to	425.00
430 bundles and solids	115.00 to	125.00

Youngstown

No. 1 hvy. melting	$ 50.00 to	$ 53.00
No. 2 hvy. melting	39.00 to	42.00
No. 1 dealer bundles	66.00 to	69.00
No. 2 dealer bundles	29.00 to	32.00
Machine shop turnings	8.00 to	11.00
Shoveling turnings	13.00 to	16.00
Low phos. plate	56.00 to	59.00
Electric furnace bundles	53.00 to	56.00
Galvanized bundles	46.00 to	49.00

Cleveland

No. 1 hvy. melting	$ 50.00 to	$ 53.00
No. 2 hvy. melting	30.00 to	33.00
No. 1 dealer bundles	64.00 to	67.00
No. 1 factory bundles	55.00 to	58.00
No. 2 bundles	25.00 to	28.00
No. 1 busheling	64.00 to	67.00
Machine shop turnings	10.00 to	13.00
Mixed borings and turnings	8.00 to	11.00
Shoveling turnings	18.00 to	21.00
Cast iron borings	15.00 to	18.00
Cut structural & plates, 2 ft. and under	92.00 to	95.00
Low phos. punchings plate	92.00 to	95.00
Drop forge flashings	43.00 to	46.00
Foundry steel, 2 ft. & under	66.00 to	69.00
No. 1 RR hvy. melting	56.00 to	59.00
Rails, 2 ft. and under	83.00 to	86.00
Rails, 18 in. and under	87.00 to	90.00
Steel axle turnings	56.00 to	59.00
Railroad cast	87.00 to	90.00
No. 1 machinery cast	85.00 to	88.00
Cupola cast	55.00 to	58.00
Stove plate	51.00 to	54.00
Stainless		
18-8 bundles	375.00 to	385.00
18-8 turnings	325.00 to	335.00
430 bundles	80.00 to	85.00

Buffalo

Brokers buying prices per gross ton on cars:

No. 1 hvy. melting	$ 51.00 to	$ 52.00
No. 2 hvy. melting	41.00 to	42.00
No. 1 busheling	65.00 to	66.00
No. 1 dealer bundles	65.00 to	66.00
No. 2 bundles	31.00 to	32.00
Machine shop turnings	15.00 to	16.00
Mixed boring and turnings	15.00 to	16.00
Shoveling turnings	21.00 to	22.00
Cast iron borings	23.00 to	24.00
Low phos. plate	77.00 to	78.00
Structural and plate, 2 ft. and under	79.00 to	80.00
Rails, 2 ft. and under	79.00 to	80.00
Scrap rails, random lgth	65.00 to	66.00
No. 1 machinery cast	76.00 to	77.00
No. 1 cupola cast	58.00 to	59.00

St. Louis

No. 1 hvy. melting	$ 45.00 to	$ 46.00
No. 2 hvy. melting	34.00 to	35.00
Foundry steel, 2 ft.	43.00 to	44.00
No. 1 dealer bundles	45.00 to	46.00
No. 2 bundles	29.00 to	30.00
Machine shop turnings	12.00 to	13.00
Shoveling turnings	18.00 to	19.00
Cast iron borings	28.00 to	29.00
No. 1 RR hvy. melting	48.00 to	49.00
Rails, random length	52.00 to	53.00
Rails, 18 in. and under	65.00 to	66.00
RR specialties	65.00 to	66.00
Cupola cast	71.00 to	72.00
Heavy breakable cast	49.00 to	50.00
Stove plate	86.00 to	87.00
Steel car wheels	75.00 to	76.00
Rerolling rails	64.00 to	65.00
Unstripped motor blocks	58.00 to	59.00

Birmingham

No. 1 hvy. melting	$ 71.00 to	$ 72.00
No. 2 hvy. melting	68.00 to	69.00
No. 1 dealer bundles	72.00 to	73.00
No. 2 bundles	46.00 to	47.00
No. 1 busheling	72.00 to	73.00
Shredder scrap	86.00 to	87.00
Machine shop turnings	25.00 to	26.00
Shoveling turnings	37.00 to	38.00
Cast iron borings	35.00 to	36.00
Electric furnace bundles	66.00 to	67.00
Elec. furnace, 3 ft. & under	66.00 to	67.00
Structural and plate, 2 ft.	85.00 to	86.00
Structural and plate, 4 ft.	82.00 to	83.00
No. 1 RR hvy. melting	82.00 to	83.00
Scrap rails, random lgth	77.00 to	78.00
Rails, 2 ft. and under	91.00 to	92.00
Angles and splice bars	83.00 to	84.00
No. 1 cupola cast	82.00 to	83.00
Unstripped motor blocks	75.00 to	76.00

Cincinnati

Brokers buying prices per gross ton on cars:

No. 1 hvy. melting	$ 43.00 to	$ 44.00
No. 2 hvy. melting	42.00 to	43.00
No. 1 dealer bundles	48.00 to	49.00
No. 2 bundles	23.00 to	24.00
Machine shop turnings	3.00 to	4.00
Shoveling turnings	5.00 to	6.00
Cast iron borings	12.00 to	13.00
Low phos. 18 in. and under	76.00 to	77.00
Rails, random length	54.00 to	55.00
Rails, 2 ft. and under	68.00 to	69.00
No. 1 cupola cast	55.00 to	56.00
Heavy breakable cast	21.00 to	22.00
Drop broken cast	68.00 to	69.00

New York

Brokers buying prices per gross ton on cars:

No. 1 hvy. melting	$ 44.00 to	$ 45.00
No. 2 hvy. melting	35.00 to	36.00
No. 2 dealer bundles	20.00 to	24.00
Mixed borings and turnings	10.00 to	11.00
Machine shop turnings	4.00 to	6.00
Shoveling turnings	10.00 to	12.00
Clean cast, chem. borings	35.00 to	36.00
No. 1 machinery cast	79.00 to	80.00
Mixed yard cast	50.00 to	51.00
Heavy breakable cast	10.00 to	12.00
Stainless		
18-8 prepared solids	520.00 to	540.00
18-8 turnings	420.00 to	440.00
430 prepared solids	90.00 to	110.00
410 solids	80.00 to	90.00

Boston

Brokers buying prices per gross ton on cars:

No. 1 hvy. melting	$ 49.00 to	$ 51.00
No. 2 hvy. melting	39.00 to	41.00
No. 1 dealer bundles	51.00 to	53.00
No. 2 bundles	32.00 to	34.00
No. 1 busheling	57.00 to	59.00
Shredder scrap	59.00 to	61.00
Machine shop turnings	10.00 to	12.00
Shoveling turnings	18.00 to	20.00
No. 1 machinery cast	75.00 to	80.00
Mixed cupola cast	42.00 to	44.00
Heavy breakable cast	8.00 to	10.00

San Francisco

No. 1 hvy. melting	$ 38.00 to	$ 40.00
No. 2 hvy. melting	32.00 to	34.00
No. 1 dealer bundles	29.00 to	31.00
No. 2 dealer bundles	17.00 to	19.00
Machine shop turnings	8.00 to	9.00
Cast iron borings	8.00 to	9.00
No. 1 cupola cast	80.00 to	82.00

Los Angeles

No. 1 hvy. melting	$ 38.00 to	$ 40.00
No. 2 hvy. melting	32.00 to	34.00
No. 1 dealer bundles	29.00 to	31.00
No. 2 dealer bundles	16.00 to	18.00
Machine shop turnings	13.00 to	14.00
Shoveling turnings	10.00 to	11.00
Cast iron borings	8.00 to	9.00
Elec. furnace, 1 ft. and under (foundry)	70.00 to	72.00
No. 1 cupola cast	72.00 to	74.00

Seattle

No. 1 hvy. melting	60.00 to	62.00
No. 2 hvy. melting	51.00 to	53.00
No. 2 bundles	35.00 to	37.00
No. 1 cupola cast	89.00 to	90.00
Mixed yard cast	80.00 to	82.00

Hamilton, Ont.

Brokers buying prices per gross ton on cars:

No. 1 hvy. melting	$ 71.00
No. 2 hvy. melting, cut 2 ft. and under	63.00
No. 1 dealer bundles	69.00
No. 2 bundles	47.00
Mixed steel scrap	45.00
Bush. new fact. prep'd	71.00
Bush. new fact. unprp'd	60.00
Machine shop turnings	31.00
Short steel turnings	31.00
Mixed borings and turnings	18.00
Cast scrap	87.00

Houston

Brokers buying prices per gross ton on cars:

No. 1 hvy. melting	$ 67.00 to	$ 68.00
No. 2 hvy. melting	54.00 to	55.00
No. 2 bundles	40.00 to	41.00
Machine shop turnings	13.00 to	14.00
Crushed turnings	30.00 to	31.00
Shredder scrap	76.00 to	77.00
Cut structural plate, 2 ft. and under	96.00 to	97.00
Cut structural plate, 5 ft. and under	80.00 to	81.00
Unstripped motor blocks	60.00 to	61.00
Cupola cast	84.00 to	85.00

PRODUCER KEY
With Principal Offices

A7 Armco Inc., Middletown, Ohio
A8 Atlantic Steel Co., Atlanta, Ga.
A11 Atlantic Wire Co., Branford, Conn.

B1 Baron Drawn Steel Corp., Toledo, Ohio
B3 Bethlehem Steel Corp., Bethlehem, Pa.
B4 Blair Strip Steel Co., New Castle, Pa.
B5 Bliss & Laughlin Steel Co., Harvey, Ill.

C6 CF&I Steel Corp., Pueblo, Colo.
C10 Copperweld Steel Co., Warren, Ohio
C16 Connors Steel Co., Birmingham, Ala.
C20 Calumet Steel Div., Chicago Heights, Ill.

D1 Detroit Strip Div., Cyclops Corp.

E4 Elliot Bros. Steel Co., New Castle, Pa.

F1 Firth Sterling, Inc., McKeesport, Pa.

G2 Granite City Steel Div., National Steel Corp., Granite City, Ill.
G3 Great Lakes Steel Div., National Steel Corp., Ecorse, Mich.
G4 Greer Steel Co., Dover, Ohio
G5 Green River Steel Corp., Owensboro, Ky.
G6 Gibraltar Steel Corp., Buffalo, N. Y.
G7 Georgetown Steel Corp., Georgetown, S.C.

H1 Hercules Drawn Steel Corp., Livonia, Mich.

I2 Ingersoll Steel Div., Newcastle, Ind.
I3 Inland Steel Co., Chicago
I4 Interlake Steel Corp., Chicago

J2 Jessop Steel Corp., Washington, Pa.
J3 Jones & Laughlin Steel Corp., Pittsburgh
J4 Joslyn Mfg. & Supply Co., Chicago
J5 Judson Steel Corp., Emeryville, Calif.

K2 Keystone Consolidated Industries, Inc.
K3 Kentucky Electric Steel Co., Ashland, Ky.
K5 Kemco Div., Foote Mineral Co., Keokuk, Ia.

L2 La Salle Steel Co., Chicago
L3 Lone Star Steel Co., Dallas
L4 Lukens, Inc., Coatesville, Pa.

M2 McLouth Steel Products Corp., Detroit
M8 Mill Strip Products Div., National Steel Service Center, National Steel Corp.
M9 Moltrup Steel Products Co., Beaver Falls, Pa.
M11 Midwest Steel Div., National Steel Corp., Portage, Ind.

N1 Northeast Precision Steel Co., Boston
N4 Northwestern Steel & Wire Co., Sterling, Ill.
N6 Northwest Steel Rolling Mills, Seattle
N9 Nelsen Steel & Wire Co., Chicago
N10 North Star Steel Co., Saint Paul, Minn.

O2 Oregon Steel Mills, Portland, Ore.

P2 Phoenix Steel Corp., Claymont, Del.
P15 Philadelphia Steel and Wire Corp., Phila.

R3 Republic Steel Corp., Cleveland
R4 Ramco Steel Co., Buffalo, N. Y.
R5 Roblin Steel Corp., North Tonawanda, N.Y.
R7 Rome Strip Steel Co., Rome, N. Y.

S1 Sharon Steel Corp., Sharon, Pa.
S7 Stanley Works, New Britain, Conn.
S8 Superior Drawn Steel Co., Monaca, Pa.
S10 Seneca Steel Corp., Buffalo, N. Y.
S16 Southern Precision Steel Co., Gulfport, Miss.

T4 Thomas Steel Strip Co., Warren, Ohio
T5 Timken Co., Steel Division, Canton, Ohio
T7 Texas Steel Co., Fort Worth, Tex.
T9 Triumph Electro Corp., Chicago
T10 Tennessee Forging Steel Corp., Harriman, Tenn.
T11 Teledyne Columbia-Summerill, Carnegie, Pa.

U1 United States Steel Corp., Pittsburgh

W3 Weirton Steel Corp., Weirton, W. Va.
W5 Wheeling-Pittsburgh Steel Corp.
W7 Wilson Steel & Wire Co., Chicago
W10 Wyckoff Steel Div., Ampco-Pittsburgh Corp., Pittsburgh
W14 Whittar Steel Strip Div., Whittar Industries, Ltd., Detroit

STEEL SERVICE CENTER PRICES

Price, Dollars per 100 lb

Prices are based on list prices reported to *Iron Age* by a number of metal service centers deemed representative by *Iron Age* and then weighted based in part on the reports received each month. Prices are not intended to reflect the actual transactio ı prices obtained by any individual metal service center.

Cities* / City Delivery Charge*	Sheets			Strip	Plates	Shapes	Bars		Alloy Bars			
	Hot-Rolled (10 gage)	Cold-Rolled (20 gage)	Galvanized (16 gage)	Hot-Rolled Strip	Plates	Standard Structurals	Hot-Rolled (merchant)	Cold Finished	Hot-Rolled 8620 As Rolled	Hot-Rolled 4140 Annealed	Cold-Drawn 8620 As Rolled	Cold-Drawn 4140 Annealed
Atlanta	25.41	31.70	32.62	26.67	24.65	22.82	20.60	28.62	31.12	45.15	64.78	69.58
Baltimore	25.36	29.71	34.55	31.60	29.01	28.09	23.33	31.80	46.54	50.09	60.10	66.46
Birmingham	24.01	28.33	33.23	25.96	23.11	22.93	21.90	28.91	45.25	53.00	64.34	69.71
Boston	31.38	38.03	42.90	40.70	29.58	29.30	24.56	31.30	37.35	40.76	50.37	55.65
Buffalo	28.31	34.38	39.47	34.70	27.06	25.44	20.81	29.01	36.43	38.76	46.48	53.50
Chicago	27.10	33.65	36.70	24.29	21.37	19.53	18.85	24.82	29.01	36.60	44.26	49.91
Cincinnati	28.00	33.78	36.59	25.00	22.18	19.48	18.23	26.15	30.91	37.71	44.52	49.89
Cleveland	26.86	32.99	36.30	30.83	21.37	22.85	19.62	28.04	33.76	37.75	44.76	51.24
Denver	29.83	36.07	35.08	30.85	25.05	23.80	21.04	34.08	45.40	51.10	62.29	66.67
Detroit	27.74	34.01	37.01	24.20	22.23	20.10	18.61	26.13	30.83	37.38	44.57	50.47
Houston	26.09	27.75	30.90	32.18	24.38	25.59	22.29	35.02	42.12	42.29	55.65	62.74
Kansas City	27.96	34.56	37.59	28.93	24.76	22.96	18.86	30.72	36.05	40.14	46.87	51.81
Los Angeles	25.48	29.99	34.70	28.88	25.67	31.65	27.14	34.41	46.74	50.34	58.63	67.40
Memphis	22.92	30.88	32.23	26.91	23.85	23.75	21.20	30.26	33.38	44.50	56.48	65.86
Milwaukee	27.33	33.41	36.49	25.27	22.36	20.88	18.82	24.99	30.58	37.07	43.78	49.90
New York	29.57	36.02	39.81	36.75	30.03	24.64	22.02	31.77	38.57	41.73	47.89	53.12
Philadelphia	26.45	36.46	39.76	36.91	25.62	26.43	22.26	28.78	38.81	42.37	50.90	57.27
Pittsburgh	36.49	38.17	40.78	36.90	31.70	29.75	27.74	27.20	34.96	39.45	47.04	51.06
Portland	27.28	30.23	35.46	31.35	31.00	34.05	27.09	36.70	45.72	50.95	65.50	.....
San Francisco	25.38	30.50	34.87	29.04	25.10	29.46	26.71	34.99	46.58	50.84	60.35	66.45
Seattle	28.00	28.96	35.47	27.92	20.99	27.00	26.70	35.43	47.77	54.60	65.62	68.82
Spokane	21.04	29.38	35.34	31.74	30.37	33.23	23.00	37.00	39.45	42.47	.....	55.15
St. Louis	27.41	30.60	35.00	29.45	21.71	20.99	19.18	28.93	34.60	38.39	45.11	50.75
St. Paul	27.19	32.39	34.23	32.07	21.70	31.74	18.68	28.78	34.06	37.59	44.36	50.29

Base Quantities. All HR products may be combined for quantity. Hot-rolled sheet, 10 ga x 36 x 96—120; Cold-rolled sheet, 20 ga x 36 x 120; Galv. sheet—16 ga x 36—120; Hot-rolled strip—1/8" x 1"; Plate 1/4" x 84"; Shapes—I-Beams 6 x 12.5; Hot-rolled bar—Rounds 3/4-2-15/16; Cold finished bar—C 1018—1" rounds; Alloy bar—Hot-rolled 8620—1-5/8" round; Cold drawn—1" round; Hot-rolled 4140—1- 5/8" round; Cold drawn—1" round. Check local supplier for additions or deductions from base.

*Prices at all points include metropolitan delivery charges.

Codes identify Producers listed on p. 103. (Prices quoted are mill base prices in cents per pound unless otherwise noted and do not reflect extras or surcharges.)
N.A.=Not available.

Billets, Blooms, Slabs

(Dollars per net ton)

Carbon Rerolling, Midwest	
W5	$366.00
N4	$366.00
West	
C6	$346.00
Carbon Forging, East	
B3(2)	$473.00
C10, U1	$473.00
R3	$453.00
Midwest	
R3, W5	$453.00
U1	$473.00
S1, I3	$473.00
C10	$473.00
K2	$473.00
West	
C6	$420.00
Alloy, East	
R3	$492.00
B3	$512.00
U1, C10	$512.00
Midwest	
W5	$492.00
U1, I3	$512.00
C10	$512.00
R3	$492.00
S1	$512.00
West	
C6	$469.00

Structurals

Carbon, East	
B3	22.90
J3	23.90
Midwest	
C20	22.90
W8	22.90
I3	23.90
T10	23.90
N4	23.90
South	
C16	23.90
T10	22.90
High-Strength, Low Alloy, East	
B3	22.90
J3	23.90
Midwest	
N4	23.90
W8	24.15
I3	23.90
South	
C16	23.90
Wide Flange, Carbon, East	
B3	22.90
U1	22.75
J3	23.90
Midwest	
U1	22.75
N4	23.90
I3	23.90
Wide Flange, High Strength-Low Alloy, East	
U1	24.30
Midwest	
U1	24.30

Strip

Hot-Rolled, Carbon, Cut II Edge—all widths, East	
U1, B3	23.75
J3	22.05
Midwest	
D1	22.05
I4	22.85
J3, W3	22.05
G2, G3	23.45
N4	22.55
W5, S1	23.75
U1, A7	23.75
I3, B3	23.75
M2	22.05
R3	22.05
South	
R3	22.05
Cold-Rolled, Carbon Max. 25%, East	
E4	29.75
S10	29.60
P15	24.80
B4	36.60
G6	36.175
Midwest	
I4	38.30
W14	32.80
J4	34.05
S1	37.05
High-Strength, Hot-Rolled, Low Alloy, Cut Edge & Mill Edge, All widths, (plus extras)*	
Midwest	
M2, R3	22.05
W3, J3	22.05
G2, G3	23.45
S1	23.75
A7	25.35
South	
R3	22.05
High-Strength, Cold-Rolled, Low Alloy, Mill Edge	
Midwest	
S1	37.05
Alloy, Hot-Rolled, Midwest (plus extras)*	
S1	26.10
I4	25.20
Alloy, Cold-Rolled East (plus extras)*	
E4,M8	43.35
B4	49.75
P15	32.10
Midwest	
I4	44.30
S1	44.80

Sheets

Hot-Rolled, Carbon (18 Ga & Hvyr), East	
B3	23.75
J3	22.05
U1	23.75
Midwest	
M2, R3, W3	22.05
D1, J3	22.05
G2, G3	23.45
I4	22.45
U1, W5	23.75
S1, B3	23.75
I3, A7	23.75
West	
U1	24.25
South	
R3	22.05
Cold-Rolled, East, Class I	
B3(2)	28.15
J3	26.15
U1	28.15
Midwest	
R3, M2, W3	26.15
G2, G3, M11	27.85
J3	26.15
D1	26.15
U1, W5	28.15
S1, B3	28.15
I3, A7	28.15
West	
U1	28.65
South	
R3	24.65
Galvanized (hot-dipped), East	
B3(2)	30.30
U1	30.30
Midwest	
J3, D1, W3	28.00
R3, Y1	28.00
G2, M11	30.00
U1, W5	30.30
S1	30.30
I3	30.30
A7	30.30
West	
U1	30.80
South	
R3	28.00
Enameling, Midwest	
U1, S1	29.65
I3, A7	29.65
J3	27.65
Long-Terne, Midwest	
W5, A7, U1	31.65
R3	29.35

Wire Rod

East	
B3(2)	22.35
Midwest	
N4, K2	22.35
U1	24.10
A7	22.00
West	
C6	21.45
South	
G7	22.35

Tinplate

	per base box
Electrolytic Tinplate Single Reduced (70 lb) East	
J3	26.29
U1	28.99
Midwest	
U1	28.99
J3	26.29
M11	27.54
W3	26.29
W5	28.99
West	
U1	29.49
South	
U1	28.99
Double Reduced (55 lb)**	
Midwest	
M11	21.95
J3	21.49
U1	23.38
W3	21.49
W5	23.38
West	
U1	23.88
South	
U1	23.38
Black Plate Single Reduced (70 lb)* East	
B3	24.81
Midwest	
J3, W3	24.01
I3	24.57
W5	25.55
U1,	26.27
M11	26.27
West	
U1	26.27
Double Reduced (55 lb) East	
B3	20.49
Midwest	
W5, M11 U1	20.49
J3	18.93
W3	18.93
West	
U1	20.49
South	
U1	20.49

*75 lb—base weight extra 69¢
**50 lb—base weight extra $1.40

Bars

Carbon Steel, Hot-Rolled (Special quality) East	
R3, K3, R5	25.80
J3	25.80
U1	27.05
C10	27.05
B3	27.05
Midwest	
I4	26.00
U1, I3	27.05
R3, T10	25.80
C20, N4	25.80
K2	25.80
A7	20.25
West	
C6	24.45
South	
A8	20.65
C16	25.80
Cold-Finished Carbon, East	
A11	22.15
R3	33.75
T11, S8	31.00
J3(4), L2	31.00
M8, W10	31.00
N1	24.475
R4, B4	33.25
C10	31.00
Midwest	
W10, R3	33.25
J3	31.00
B1	33.45
L2	30.75
N9	31.00
W14	22.20
B5, M9	34.75
West	
R3	37.15
South	
J3	34.00
C16	24.40
J3	31.95
Alloy, Hot-Rolled, East	
R5, K3	27.95
R3, J3	27.95
U1	29.20
B3	29.20
C10	29.20
Midwest	
R3	27.95
I3, C10, U1	29.20
I4	27.35
A7	20.25
West	
C6	26.60
South	
A8	22.00
Alloy, Cold-Drawn, East	
L2	35.20
R3, N1	37.90
R4	37.10
J3, W10, L2	34.85
T11, S8	34.85
C10	34.85
Midwest	
R3	37.35
J3, W10, C10	34.85
B1	37.30
N9	34.85
L2	34.85
B5, M9	38.60
West	
R3	40.75
South	
J3	35.85
C16	28.00

Plates

Carbon Steel, East	
B3	23.25
L4, U1	25.75
P2	23.25
J3	26.75
Midwest	
B3	23.25
I3	25.75
J3, A7	22.80
U1, I4, S1	25.75
R3	26.75
West	
U1	25.75
O2	23.00
South	
R3	25.75
U1	25.75
Alloy East	
B3	31.05
U1, L4	33.35
P2	32.55
J3	34.55
Midwest	
B3	31.05
I4, U1	33.55
West	
O2	31.00
South	
U1	33.55

Wire

Carbon Steel Wire, East	
B3	27.10
A11	22.15
Midwest	
R3	24.60
N4, W7	27.40
K2	24.20
South	
A8	22.85
West	
C6	24.95

NEW ORDERS WENT UP —FOR SOME, AT LEAST

The orders showing in May calls for a hard second look.

Orders rose—up a solid 3.2 pct from April. But... 80 pct of the May orders increase was due to an explosion in spending for defense capital goods. Orders for military aircraft, aircraft parts and shipbuilding surged 30 pct over the April level.

Defense orders tend to come in bunches, like grapes. This volatility often distorts month-to-month trend lines for orders. May was a standout in that respect.

For example, orders received by transportation equipment producers in May were reported by the government to have gone up a strong 10 pct. But take away defense orders and total transportation equipment orders were actually down 1 pct from April.

Too, the need for a hard look at May orders goes beyond the defense business distortion.

It was reported, for example, that orders for nonelectrical machinery were up 2 pct. That should have spread good news among industrial equipment makers who have been going through some hard times. However, the May gain in these orders was due entirely to big increases in orders for office and computing equipment. Most other nonelectrical machinery categories saw declines in orders.

So, it appears that there is little reason—at least as yet—to throw hats in the air over the May increase in orders. Following the rise in orders in May, total durable goods new orders were still 2.4 pct below the level at the start of the year.

Clearly, before orders show real across-the-board strength, the U.S. economy itself must show renewed strength. The promise of this is seen in the stronger second quarter GNP showing compared to the anemic opening quarter of the year.

Billions of Dollars, Seasonally adjusted Monthly Total, unless otherwise noted Source: U.S. Dept of Commerce		Latest Month or Qtr.	Previous Month or Qtr	Same Period Year Ago
CAPITAL EXPENDITURES (Annual Rates)				
U.S. Industry, Total	2nd Qtr*	$388.9	$380.1	$348.3
Manufacturing, Total	2nd Qtr*	157.0	151.0	135.3
Manufacturing, Durable Goods	2nd Qtr*	76.8	74.0	63.1
Mining Industry	2nd Qtr*	16.9	16.2	16.0
KEY INDICATORS, Durable Goods Manufacturing				
New Orders	May	102.9	99.7	101.0
Shipments	May	102.8	102.3	96.9
Inventories	May	191.5	192.5	180.5
Unfilled Orders	May	344.7	344.6	344.0
NEW ORDERS, METALWORKING				
Capital Goods Producers, Nondefense Industries	May	25.6	25.4	28.6
Capital Goods Producers Defense Industries	May	8.7	6.1	6.6
Primary Metals, Total	May	10.5	11.2	10.3
Steel (SIC 331)	May	4.2	4.7	4.0
Iron & Steel Castings (SIC 332)	May	1.3	1.4	1.2
Nonferrous Metals	May	5.0	5.1	5.1
Nonelectrical Mach.-Equip. Industries, Total	May	17.2	16.9	18.4
Engines & Turbines	May	0.9	1.0	0.9
Farm Machinery & Equipment (Shipments)	May	0.9	1.0	0.9
Construction, Mining & Mat. Hdlg. Equip	May	2.8	3.0	3.0
General Industrial Machinery	May	1.3	1.5	1.4
Fluid Power Equipment** (Index-1972 = 100)	May	298.0	296.0	304.0
Metalworking Machinery	May	0.9	0.9	1.0
Machine Tools, Total ($Mill., Unadjusted)***	May	223.2	183.5	319.6
Machine Tools, Metalcutting***	May	170.9	122.1	188.5
Machine Tools, Metalforming***	May	52.3	61.4	131.1
Electrical Mach. & Equip. Industries, Total	May	15.1	14.4	16.9
Elec. Transmission Equip. & Ind. Apparatus	May	2.0	1.9	2.0
Household Appliances	May	1.4	1.4	1.6
Communication Equipment	May	5.5	5.2	5.6
Transportation Equipment, Total	May	26.4	24.0	24.6
Motor Vehicles & Parts (Shipments)	May	16.7	16.5	15.3
Aircraft, Missiles & Parts	May	8.0	6.4	7.5
Shipbuilding & Military Tanks	May	1.0	0.4	1.0
Fabricated Metal Products, Total	May	13.5	13.5	11.2
Instruments, Total	May	4.9	4.8	4.8

*Est. Commerce Dept. **Source: National Fluid Power Assn. ***Source: NMTBA